IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A transmitter, comprising:

a first variable gain amplifier having a first AGC loop to control a gain thereof;

a second variable gain amplifier having a second AGC loop to control a gain thereof, said second variable gain amplifier being located within a common transmitter chain as said first variable gain amplifier; ~~and~~

at least one of said first AGC loop and said second AGC loop is coupled to a duplicate circuit that mimics the operation of a corresponding variable gain amplifier in the transmitter chain; and

a controller to manage said first AGC loop and said second AGC loop to achieve a desired result at an output of said transmitter.

2. (Original) The transmitter of claim 1, comprising:

at least one other variable gain amplifier within the common transmitter chain, said at least one other variable gain amplifier having a corresponding AGC loop, wherein said controller manages said first AGC loop, said second AGC loop, and said AGC loop of said at least one other variable gain amplifier to achieve said desired result.

3. (Original) The transmitter of claim 1, comprising:

a CW source having a controllable output level; and

an ALC loop to control said output level of said CW source, wherein said controller manages said ALC loop to achieve said desired result.

4. (Original) The transmitter of claim 1, wherein:

at least one of said first AGC loop and said second AGC loop uses a pilot signal to adjust a gain of a corresponding variable gain amplifier, said pilot signal being different from a communication signal propagating through the transmitter chain.

5. (Canceled)

6. (Original) The transmitter of claim 1, wherein:

said controller deactivates said first AGC loop during a period when no gain adjustment of said first variable gain amplifier is desired, to reduce power consumption within the transmitter.

7. (Original) The transmitter of claim 6, wherein:

said controller deactivates said second AGC loop during a period when no gain adjustment of said second variable gain amplifier is desired, to reduce power consumption within the transmitter.

8. (Original) The transmitter of claim 1, wherein:

said first AGC loop is coupled to a duplicate of said first variable gain amplifier, wherein said controller deactivates said duplicate of said first variable gain amplifier during a period when no gain adjustment of said first variable gain amplifier is desired, to reduce power consumption within the transmitter.

9. (Original) The transmitter of claim 1, wherein:

said first AGC loop is associated with a pilot generator to generate a pilot signal to be applied to said first variable gain amplifier, wherein said controller deactivates said pilot generator during a period when no gain adjustment of said first variable gain amplifier is desired, to reduce power consumption within the transmitter.

10. (Original) The transmitter of claim 1, wherein:

said controller occasionally activates said first AGC loop, when deactivated, to compensate for drift within the transmitter circuitry.

11. (Currently Amended) A method for generating a transmit signal, comprising:

determining a desired transmit power result for a transmitter;

determining gain values for multiple variable gain amplifiers in the transmitter to achieve the desired transmit power result; ~~and~~

delivering said gain values to AGC loops associated with said multiple variable gain amplifiers, said AGC loops to adjust the gains of said multiple variable gain amplifiers in accordance with said gain values[[.]]; and

deactivating circuitry associated with an AGC loop in the transmitter during an interval when the transmitter is active and no gain adjustment is desired for a corresponding variable gain amplifier.

12. (Original) The method of claim 11, wherein:

determining a desired transmit power result includes determining a desired transmit power level.

13. (Original) The method of claim 11, wherein:

determining a desired transmit power result includes determining a desired change in transmit power level.

14. (Original) The method of claim 11, wherein:

determining desired gains includes determining gains that enhance a dynamic range of said transmitter.

15. (Canceled)

16. (Original) The method of claim 11, wherein:

said transmitter includes a first variable gain amplifier and a duplicate of said first variable gain amplifier, wherein said method further comprises deactivating said duplicate of said first variable gain amplifier during an interval when the transmitter is active and no gain adjustment is desired for the first variable gain amplifier.

17. (Original) The method of claim 11, comprising:

determining an output level for a CW source in the transmitter to achieve the desired transmit power result; and

delivering said output level to an ALC loop associated with the CW source, said ALC loop to adjust the output level of the CW source accordingly.

18. (Currently Amended) A transmitter comprising:

a CW source to generate a carrier signal;

a modulator to modulate said carrier signal based on input data;

a first variable gain amplifier to amplify a signal previously processed by said modulator, said first variable gain amplifier having a first AGC loop to control a gain thereof;

a second variable gain amplifier to amplify a signal previously processed by said first variable gain amplifier, said second variable gain amplifier having a second AGC loop to control a gain thereof; ~~and~~

said first AGC loop and said second AGC loop use duplicate circuits to adjust the gains of corresponding variable gain amplifiers; and

a controller to determine gains for said first and second variable gain amplifiers to achieve a desired result at an output of the transmitter, said controller to deliver said gains to said first and second AGC loops, respectively.

19. (Original) The transmitter of claim 18, wherein:

said CW source has an ALC loop associated with it to control an output level thereof, wherein said controller determines an output level for the CW source to achieve the desired result at the output of the transmitter, said controller to deliver said output level to the ALC loop of the CW source.

20. (Original) The transmitter of claim 18, comprising:

a frequency translation device between the first and second variable gain amplifiers to translate a frequency of a signal propagating from the first variable gain amplifier to the second variable gain amplifier.

21. (Original) The transmitter of claim 18, comprising:

at least one other variable gain amplifier having a corresponding AGC loop, wherein said controller determines gains for said first AGC loop, said second AGC loop, and said AGC loop of said at least one other variable gain amplifier to achieve said desired result.

22. (Original) The transmitter of claim 18, wherein:

said first AGC loop uses a pilot signal to adjust the gain of the first variable gain amplifier and said second AGC loop uses a duplicate circuit to adjust the gain of the second variable gain amplifier.

23. (Canceled)